

This invention relates to petroleum production technique, in particular to production of high-viscosity oil by means of oil-well sucker-rod pump. An subsurface pumping unit has a subsurface pump installed in stalk by means of plug, its chamber is connected to annular space, packer installed lower than the level of subsurface pump. Over the chamber of the pump in the stalk hydro-cylinder is placed, and over the hydro-cylinder dozing channels are additionally provided.